
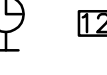


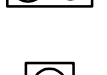


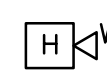




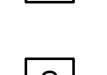










AUDIO/VISUAL




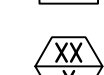


ABBREVIATIONS

ACR	ATTENUATION CROSSTALK RATIO
ACT	ACOUSTICAL CEILING TILE
AFC	ABOVE FINISHED CEILING
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
ATC	AUTOMATIC TEMPERATURE CONTROL
ATM	ASYNCHRONOUS TRANSFER MODE
AWG	AMERICAN WIRE GAUGE
BFC	BELOW FINISHED CEILING
BFF	BELOW FINISHED FLOOR
BFG	BELOW FINISHED GRADE
C	CONDUIT
CAT	CATEGORY (TIA/EIA)
CKT	CIRCUIT
CLK	CLOCK
CM	CORD MANAGER
CMR	COMMUNICATIONS RISER RATED
CMP	COMMUNICATIONS PLENUM RATED
CP	CONSOLIDATION POINT
CPE	CUSTOMER PREMISE EQUIPMENT
dB	DECIBEL
DIA	DIAMETER
DPDT	DOUBLE POLE, DOUBLE THROW
DWG	DRAWING
E.C.	ELECTRICAL CONTRACTOR
EF	ENTRANCE FACILITY
EIA	ELECTRONICS INDUSTRIES ASSOCIATION
ELFEXT	EQUAL LEVEL FAR-END CROSSTALK
EMI	ELECTROMAGNETIC INTERFERENCE
EMT	ELECTRICAL METALLIC TUBING
EP	EXPLOSION PROOF
ER	EQUIPMENT ROOM
FCC	FEDERAL COMMUNICATIONS COMMISSION
FOPF	FIBER OPTIC PATCH PANEL
FRP	FIBERGLASS REINFORCED POLYESTER
FTP	FOIL TWISTED PAIR
G	GROUND
G.C.	GENERAL CONTRACTOR
GRD	GROUND
HC	HORIZONTAL CROSSCONNECT
H.C.	HEATING CONTRACTOR
HVAC	HEATING, VENTILATION AND AIR CONDITIONING
HZ	HERTZ
IC	INTERMEDIATE CROSSCONNECT
ID	INSIDE DIAMETER
IDC	INSULATION DISPLACEMENT CONNECTOR
IDF	INTERMEDIATE DISTRIBUTION FRAME
IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS
ISDN	INTEGRATED SERVICES DIGITAL NETWORK
ISO	INTERNATIONAL STANDARDS ORGANIZATION
IMC	INTERMEDIATE METAL CONDUIT
KSU	KEY SYSTEM UNIT
LAN	LOCAL AREA NETWORK
LX	LUX
m	METER
MAX	MAXIMUM
Mbps	MEGA-BITS PER SECOND
MC	MAIN CROSSCONNECT
M.C.	MECHANICAL CONTRACTOR
MDF	MAIN DISTRIBUTION FRAME
MFG	MANUFACTURER
MHZ	MEGA-HERTZ
μ	MICRON
MIN	MINIMUM
MTD	MOUNTED
NC	NORMALLY CLOSED
NE	NORMAL EMERGENCY
NO.	NUMBER
NO.	NORMALLY OPEN
NEC	NATIONAL ELECTRIC CODE
NEXT	NEAR-END CROSSTALK
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
OD	OUTSIDE DIAMETER
PBX	PRIVATE BRANCH EXCHANGE
PC	PERSONAL COMPUTER
P.C.	PLUMBING CONTRACTOR
PFT	POWER FAILURE TELEPHONE
PNL	PANEL
POP	POINT OF PRESENCE
PP	PATCH PANEL
PSI	POUNDS PER SQUARE INCH
PSTN	PUBLIC SWITCHED TELEPHONE NETWORK
PVC	POLYVINYL CHLORIDE
QTY	QUANTITY
REQD	REQUIRED
RF	RADIO FREQUENCY
RGS	RIGID GALVANIZED STEEL
RMS	RACK MOUNT SPACE
SC	SUBSCRIBER CONNECTOR
S.C.	SECURITY CONTRACTOR
ScTp	SCREENED TWISTED PAIR
ST	STRAIGHT TIP FIBER CONNECTOR
STP	SHIELDED TWISTED PAIR
TBB	TELECOMMUNICATION BONDING BACKBONE
TBBIBC	TELECOMMUNICATION BONDING BACKBONE INTERCONNECTING BONDING CONDUCTOR
	—OR (GE) GROUNDING EQUALIZER
TBC	TELECOMMUNICATION BONDING CONDUCTOR
TC	TELECOMMUNICATIONS CLOSET
TGB	TELECOMMUNICATION GROUNDING BUSBAR
TIA	TELECOMMUNICATIONS INDUSTRY ASSOCIATION
TMGB	TELECOMMUNICATION MAIN GROUNDING BUSBAR
TO	TELECOMMUNICATIONS OUTLET
TP	TRANSITION POINT
TYP	TYPICAL
UG	UNDERGROUND
UL	UNDERWRITERS LABORATORIES
UPS	UNINTERRUPTIBLE POWER SUPPLY
UTP	UNSHIELDED TWISTED PAIR
VAC	VOLTS, ALTERNATING CURRENT
VLAN	VIRTUAL LOCAL AREA NETWORK
WAN	WIDE AREA NETWORK
WAO	WORK AREA OUTLET
WIC	WALL MOUNTED FIBER PATCH PANEL
WP	WEATHERPROOF
XFMR	TRANSFORMER
XCEIVER	TRANSCIVER

AUDIO VISUAL

	CEILING	PROJECTOR (CEILING)
	—	CLOCK RECEPTACLE
	—	CLOCK\ SOUND SYSTEM SPEAKER COMBO
	—	INTERCOM JACK
	FLOOR	KEYED VOLUME AND POWER
	FLOOR	FLOOR MOUNTED MICROPHONE JACK
	CEILING	CEILING MOUNTED SPEAKER
	18" AFF	SPEAKER RECEPTACLE
	AS NOTED	EXTERIOR PAGING HORN
	AS NOTED	INTERIOR PAGING HORN
	CEILING	PROJECTOR OUTLET
	—	REMOTE CONTROL PANEL
	AS NOTED	SIREN
	18" BFC	REMOTE SOUND SYSTEM CEILING MOUNTED SPEAKER
	18" BFC	REMOTE SOUND SYSTEM LEFT CHANNEL STEREO SPEAKER
	18" BFC	REMOTE SOUND SYSTEM MAIN SPEAKER
	18" BFC	REMOTE SOUND SYSTEM RIGHT CHANNEL STEREO SPEAKER
	AS NOTED	REMOTE SOUND SYSTEM SUBWOOFER
	—	TSR JACK
	18" AFF	WALL-MOUNTED MICROPHONE JACK
	48" AFF	REMOTE VOLUME CONTROL

TYPICAL ANNOTATION

	CLOUD
	REVISION
	CIRCLE KEYNOTE
	DEMOLITION KEYNOTE
	EQUIPMENT TAG-COMPLEX
	EQUIPMENT TAG-SIMPLE

TELECOMMUNICATIONS GENERAL NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR INTERFACING WITH THE GENERAL CONTRACTOR/CONSTRUCTION MANAGER AND OTHER TRADES TO PROVIDE AND/OR ALTER SYSTEMS AS REQUIRED BY THE DRAWINGS AND/OR SPECIFICATIONS.
2. CONTRACTOR SHALL REPLACE IN-KIND ALL CEILING TILE DAMAGED DURING INSTALLATION AT NO ADDITIONAL COST.
3. CONTRACTOR SHALL REPAINT AND/OR REPAIR ANY AREA IN-KIND IF INSTALLATION DEFACES EXISTING WALLS, FLOORS OR CEILINGS PAINTED AREAS.
4. THESE DRAWINGS MAY NOT SHOW ALL REQUIRED CONNECTIONS, PATCH CORDS, INTERCONNECTING CABLES, ETC. IT IS THE CONTRACTORS RESPONSIBILITY TO PROVIDE IN HIS BID PRICE, ALL APPURTENANCES FOR A COMPLETE AND OPERATIONAL SYSTEM THAT MEETS THE SYSTEM DESIGN REQUIREMENTS, WHETHER OR NOT SHOWN ON THE DRAWINGS OR CALLED OUT IN THE SPECIFICATIONS.
5. ALL ELECTRICAL RECEPTACLES SHOWN ARE FOR INFORMATIONAL PURPOSE ONLY. ALL ELECTRICAL RECEPTACLES ARE BY E.C.
6. ALL STATION JACKS, DROPS, CABLES, AND PATCH PANELS SHALL BE LABELED/IDENTIFIED TO MEET THE EIA-TIA/606 LABELING REQUIREMENTS. THE CONTRACTOR IS REQUIRED TO SUBMIT A LABELING SCHEME AND SCHEDULE FORMAT FOR APPROVAL BY THE ENGINEER AND OWNER.
7. ALL COMMUNICATIONS DATA, VIDEO AND VOICE CABLES INSTALLED ON THIS PROJECT SHALL BE SUPPORTED WITH CABLE TRAY, CONDUIT AND J-HOOKS, AS CALLED OUT ON THE DRAWINGS AND IN SPECIFICATIONS. FURNISH AND INSTALL ALL REQUIRED CABLE SUPPORTS AND APPURTENANCES FOR A COMPLETE AND FUNCTIONAL SYSTEM.
8. FIELD LOCATE SPEAKERS TO AVOID ANY LIGHTING/HVAC INTERFERENCES.
9. AT A.D.A. LOCATIONS CONTRACTOR SHALL CONFORM TO ALL LOCAL, STATE AND NATIONAL CODES.
10. THE CONTRACTOR SHALL REVIEW ALL DRAWINGS BEFORE BIDDING. FAILURE TO DO SO WILL NOT BE JUST CAUSE FOR A CHANGE REQUEST.
11. ALL SYSTEM WIRING INSTALLED ON THIS PROJECT SHALL BE SUPPORTED WITH CONDUIT STUBS AND J-HOOKS AT INTERVALS OF 4'-0" MAXIMUM. FURNISH AND INSTALL ALL REQUIRED CABLE SUPPORTS AND APPURTENANCES FOR A COMPLETE AND FUNCTIONAL SYSTEM.
12. COORDINATE WITH E.C. FOR ADDITIONAL 1" CONDUIT STUB-UPS FROM ANY LOCATION THAT CONTAIN OVER 6 COMMUNICATIONS CABLES.
13. NO BRIDLE RINGS, 'LB-FITTING', OR PLASTIC WIRE TIES SHALL BE USED.

DRAWING LIST

SHEET NUMBER	DRAWING TITLE
AV-0	SYMBOLS, LEGENDS AND ABBREVIATIONS - AUDIO / VIDEO
AV-1	LARGE MEETING ROOM 128 - PLANS - AUDIO / VIDEO
AV-2	LARGE MEETING ROOM 128 - RISERS - AUDIO / VIDEO
AV-3	LARGE MEETING ROOM 128 - DETAILS - AUDIO / VIDEO
AV-4	SMALL MEETING ROOM 118 - PLANS AND DETAILS - AUDIO / VIDEO
AV-5	FIRST FLOOR PLAN - PUBLIC ADDRESS
AV-6	SECOND FLOOR PLAN - PUBLIC ADDRESS
AV-7	RISER DIAGRAM & DETAILS - PUBLIC ADDRESS

CONSTRUCTION REFERENCE DRAWINGS LIST

SHEET NUMBER	DRAWING TITLE
T-0.1	SYMBOLS, LEGENDS AND ABBREVIATIONS - TELECOM
T-2.1	FIRST FLOOR PLAN - TELECOM
T-2.2	SECOND FLOOR PLAN - TELECOM
T-3.01	ENLARGED PLANS - TELECOM
T-4.01	ELEVATION DETAILS - TELECOM
T-5.01	RISER DIAGRAM - TELECOM
T-7.01	DETAILS - TELECOM
T-7.02	DETAILS - TELECOM
T-7.03	DETAILS - TELECOM
T-7.04	DETAILS - TELECOM
E-0.1	SYMBOLS, LEGENDS, AND ABBREVIATIONS - ELECTRICAL
E-1.1	FIRST FLOOR PLAN - DEMOLITION - ELECTRICAL
E-1.2	SECOND FLOOR PLAN - DEMOLITION - ELECTRICAL
E-2.1	FIRST FLOOR PLAN - NEW WORK - ELECTRICAL
E-2.2	SECOND FLOOR PLAN - NEW WORK - ELECTRICAL
E-2.4	LARGE SCALE PLANS - ELECTRICAL
E-3.1	FIRST FLOOR PLAN - NEW WORK - LIGHTING
E-3.2	SECOND FLOOR PLAN - NEW WORK - LIGHTING
E-4.1	RISER DIAGRAM - ELECTRICAL
E-5.1	DETAILS - ELECTRICAL
E-5.2	DETAILS - ELECTRICAL
E-6.0	LIGHTING FIXTURE SCHEDULE - LIGHTING
E-6.1	PANEL SCHEDULES - ELECTRICAL
E-6.2	PANEL SCHEDULES - ELECTRICAL

NOTE:  
CONTRACTOR SHALL CHECK &  
VERIFY ALL DIMENSIONS &  
EXISTING CONDITIONS AT SITE.

COORDINATION WITH ON-SITE ELECTRICAL CONTRACTOR

CONDUIT, PATHWAYS, AND BACKBOXES ARE PROVIDED BY THE ON-SITE ELECTRICAL CONTRACTOR.

BEFORE ROUGH-IN THE AV CONTRACTOR SHALL MEET WITH THE ON-SITE ELECTRICAL CONTRACTOR TO REVIEW, FIELD VERIFY AND ADJUST AS REQUIRED ALL CONDUIT, PATHWAYS, AND BACKBOXES. AV CONTRACTOR SHALL SUBMIT LETTER OF COMPLETION AS A SHOP DRAWING TO THE ENGINEER.

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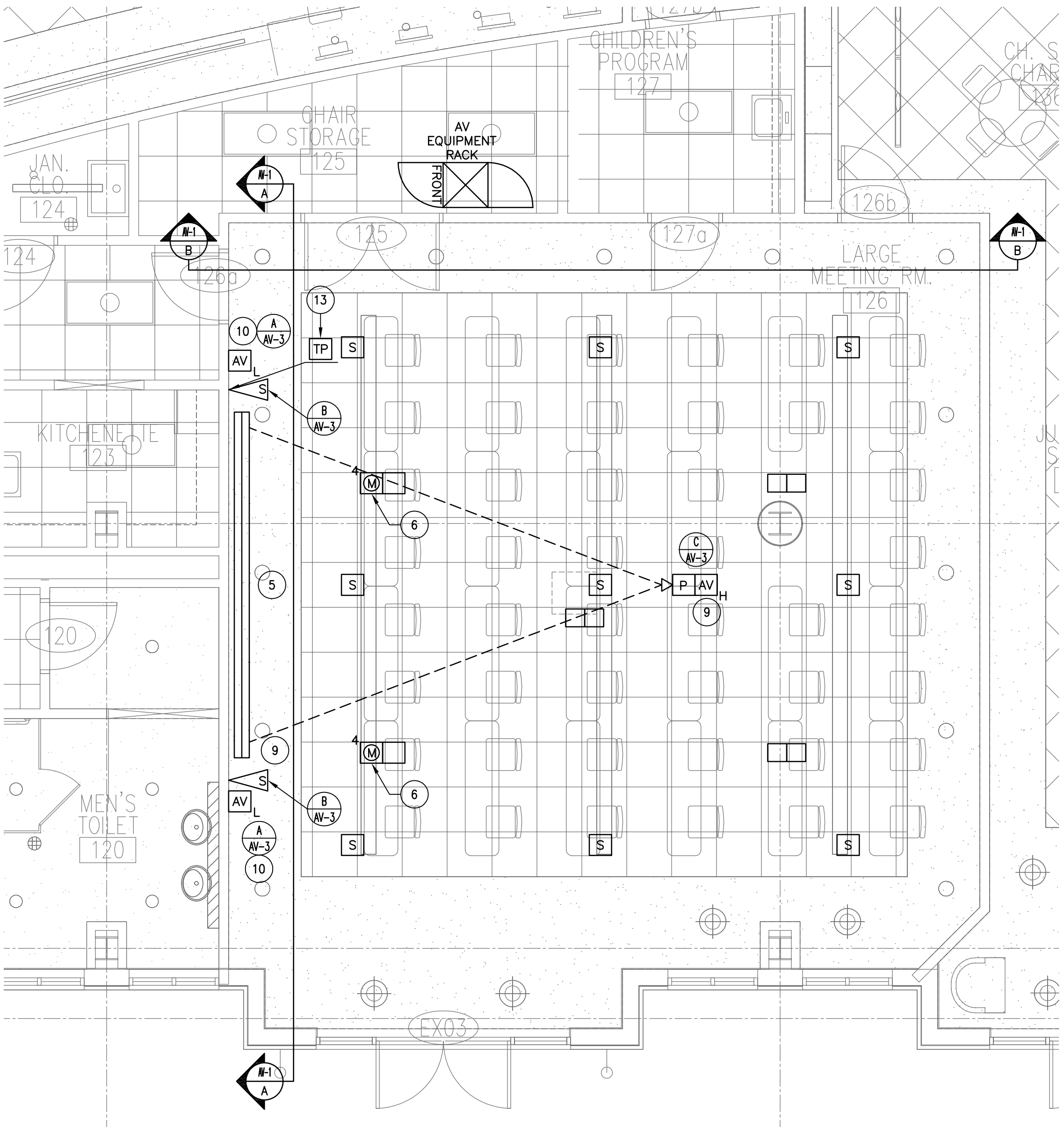
Loudoun  
County  
Public Library  
Gum Spring  
Branch

GENERAL NOTES:

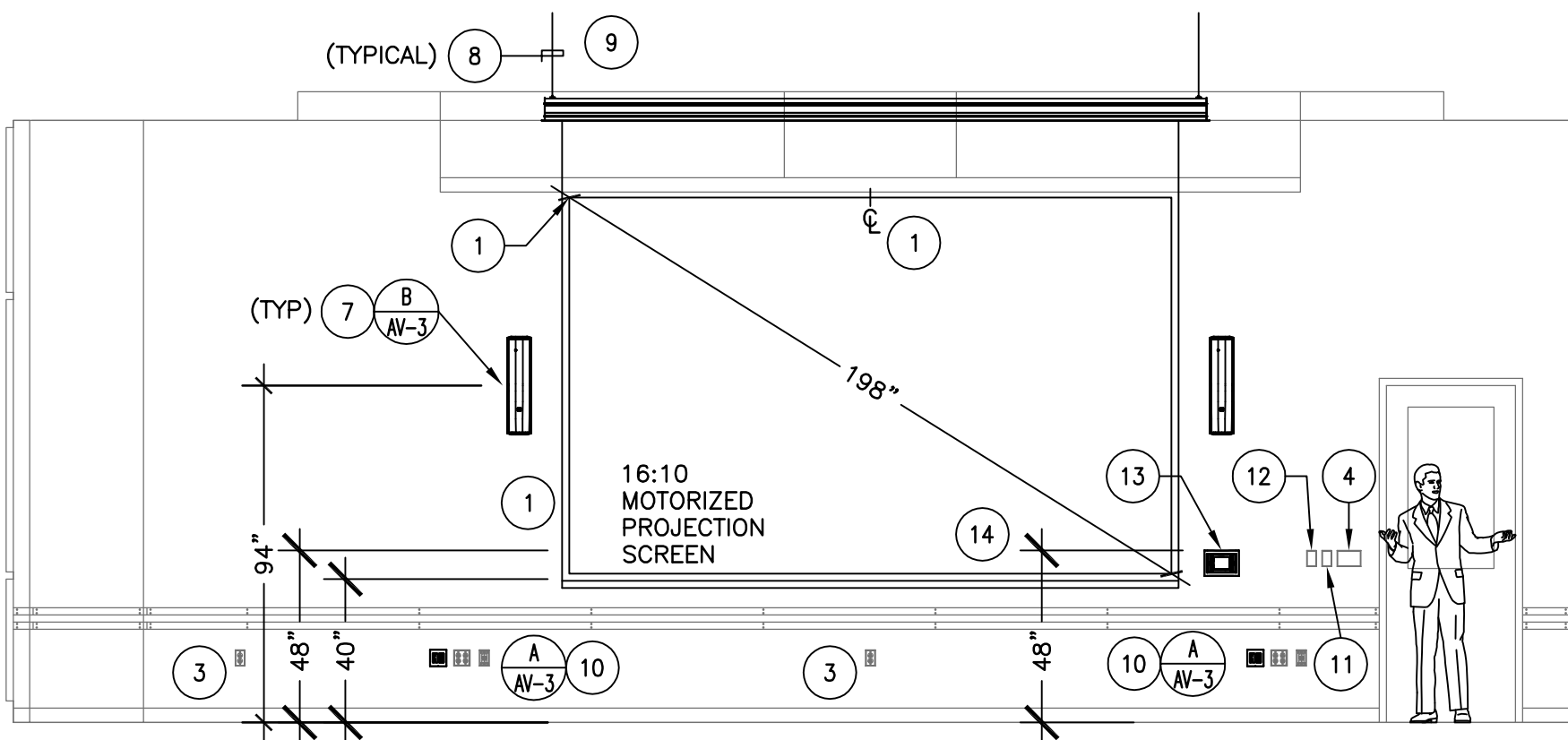
1. AV CONTRACTOR SHALL PROVIDE A PROJECTION SYSTEM (PROJECTOR, LENS, MOUNT, SCREEN) THAT WORKS TOGETHER. THROW DISTANCE AND ASPECT RATIOS SHALL BE COORDINATED.
2. ALL CABLES SHALL BE PLENUM RATED OR RUN IN EMT CONDUIT.

KEYED NOTES:

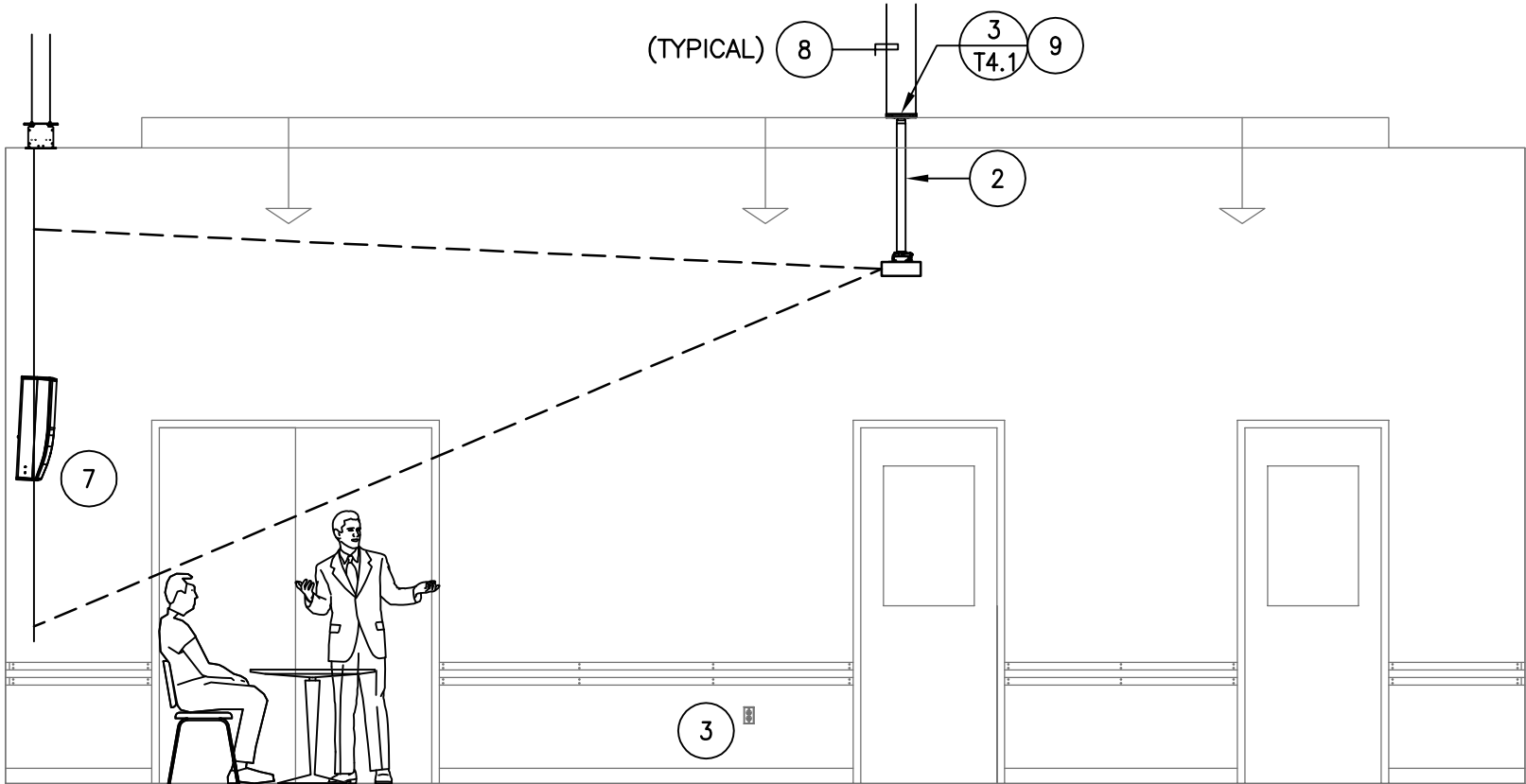
- 1 THE TOP EDGE OF THE SCREEN IMAGE SHALL BE BELOW THE PENDANT LIGHT FIXTURES. PROVIDE BLACK MASKING AS REQUIRED. THE BOTTOM EDGE OF THE SCREEN IMAGE SHALL BE BETWEEN 40" AND 48" AFF. CENTER SCREEN LEFT AND RIGHT WITH THE DROP CEILING CLOUD.
- 2 PROVIDE PIPE EXTENSION AS REQUIRED TO LOWER PROJECTOR BELOW PENDANT LIGHTING AND AVOID KEYSTONING.
- 3 120 VAC RECEPTACLE POWER. FOR REFERENCE ONLY. SEE ELECTRICAL DRAWINGS.
- 4 LIGHTING CONTROLS. FOR REFERENCE ONLY. SEE ELECTRICAL DRAWINGS.
- 5 MOTORIZED PROJECTION SCREEN SHALL BE CAREFULLY LOCATED WITH RECESSED DOWN LIGHTING IN THIS AREA.
- 6 PROVIDE (4) BALANCED MICROPHONE XLR CONNECTIONS IN THIS FLOOR BOX. MICROPHONE CABLES SHALL NOT SHARE CONDUIT WITH ANY OTHER CABLE.
- 7 SURFACE MOUNTED STEREO SPEAKERS. SUPPORT PER DETAIL. JUNCTION BOX TO BE LOCATED 1" OUTSIDE OF THE SCREEN AND 94" AFF. SPEAKERS SHALL BE TILTED DOWN 3 DEGREES. PROVIDE GROMMETED PLATE DISCRETELY HIDDEN BEHIND SPEAKER. (TYPICAL OF 2)
- 8 PROVIDE EQUIPMENT STRUCTURAL SUPPORT PER MANUFACTURER RECOMMENDATIONS.
- 9 LOCATION OF ABOVE CEILING ELECTRICAL JUNCTION BOX. FOR REFERENCE ONLY. SEE ELECTRICAL DRAWINGS.
- 10 PROVIDE AV LOW LAPTOP INPUT PLATE PER DETAIL. PROVIDE 3-GANG DECORA FACE PLATE TO MATCH OTHER DEVICE FINISHES IN THE SPACE. (TYPICAL OF 2)
- 11 SHADE CONTROLS. FOR REFERENCE ONLY. SEE ELECTRICAL DRAWINGS.
- 12 PROVIDE MOTORIZED PROJECTION SCREEN OVERRIDE KEYPAD PER THE SPECIFICATIONS. PROVIDE CABLING TO CONTROLLER.
- 13 PROVIDE IN WALL DOCKING STATION FOR WIRELESS TOUCH PANEL PER THE SPECIFICATIONS.
- 14 IN WALL DEVICES SHALL BE FLUSH. TOP EDGE OF DEVICES SHALL BE IN LINE AND NO HIGHER THAN 48".



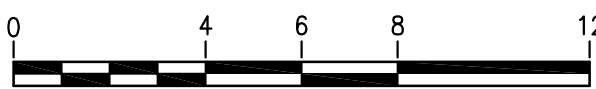
LARGE MEETING ROOM 126  
ENLARGED PLAN - AV  
SCALE: 1/4" = 1'-0"



A  
LARGE MEETING ROOM 126  
ELEVATION - AV  
SCALE: 1/4" = 1'-0"



B  
LARGE MEETING ROOM 126  
ELEVATION - AV  
SCALE: 1/4" = 1'-0"



NOTE:  
CONTRACTOR SHALL CHECK &  
VERIFY ALL DIMENSIONS &  
EXISTING CONDITIONS AT SITE.

Sheet Title:  
LARGE MEETING ROOM  
128 - PLANS AND  
ELEVATIONS - AUDIO /  
VIDEO

Sheet Number:

AV-1

Issue Date: 05/01/2012  
Project Manager: PMW  
Drafter: NPD

COORDINATION WITH ON-SITE ELECTRICAL CONTRACTOR

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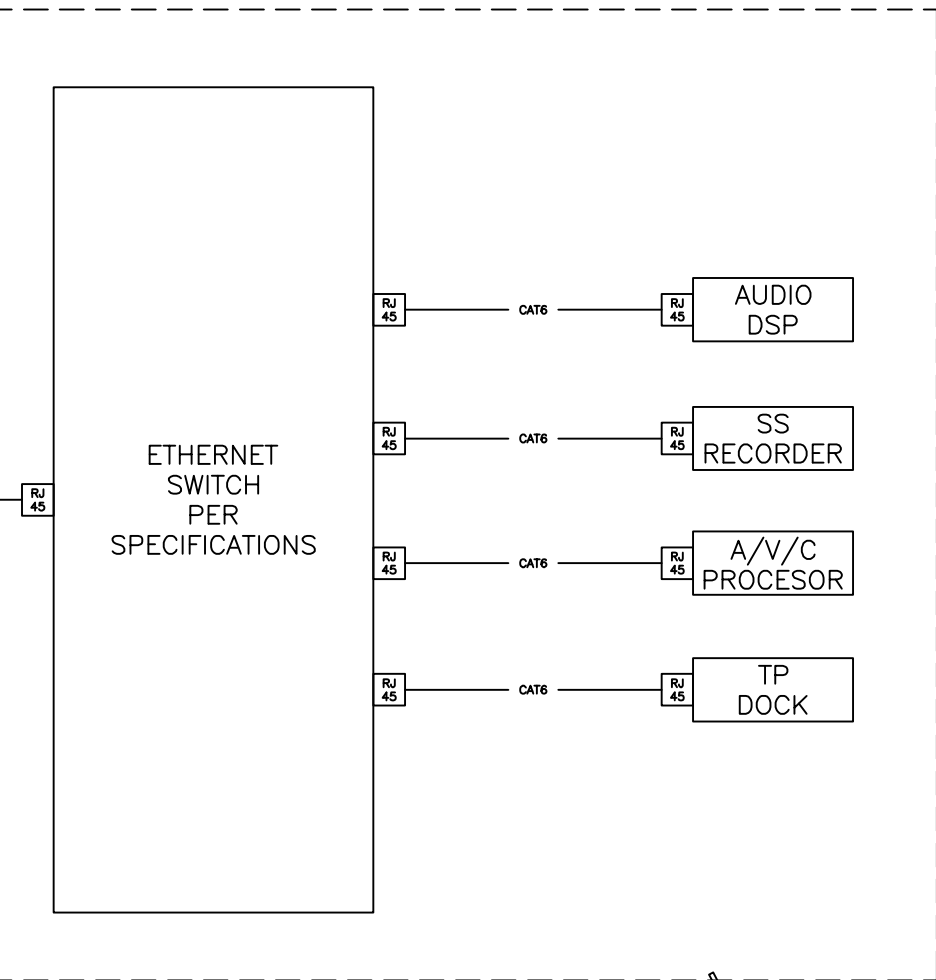
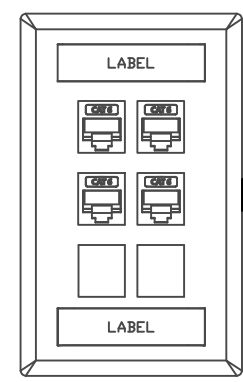
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TELECOMMUNICATIONS ADAPTER  
PLATE WITH THE FOLLOWING  
DEVICES:

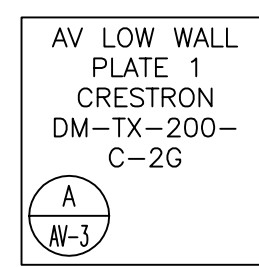
- (2) CAT6 RJ45 FOR DATA
- (2) CAT6 RJ45 FOR VOICE
- (FOR REFERENCE ONLY)



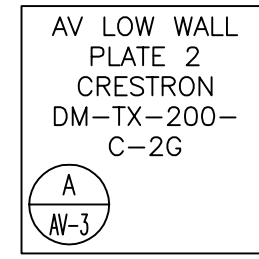
NETWORK RISER

AV RACK [CHAIR  
STORAGE 125]

SEE  
SPECIFICATIONS  
FOR LAPTOP  
UMBILICAL  
CABLES AND  
COMPATIBLE  
SOURCES



SEE  
SPECIFICATIONS  
FOR LAPTOP  
UMBILICAL  
CABLES AND  
COMPATIBLE  
SOURCES



WIRELESS  
TOUCH PANEL  
#TPS-6X

IN-RACK  
TP DOCK  
#TPS-6X-DSW

RF GATEWAY  
#CEN-HPRFGW

ANTENNAS  
PER  
SPECIFICATIONS

HARDWIRED  
MIC FLOOR  
BOX 1A

HARDWIRED  
MIC FLOOR  
BOX 1B

HARDWIRED  
MIC FLOOR  
BOX 1C

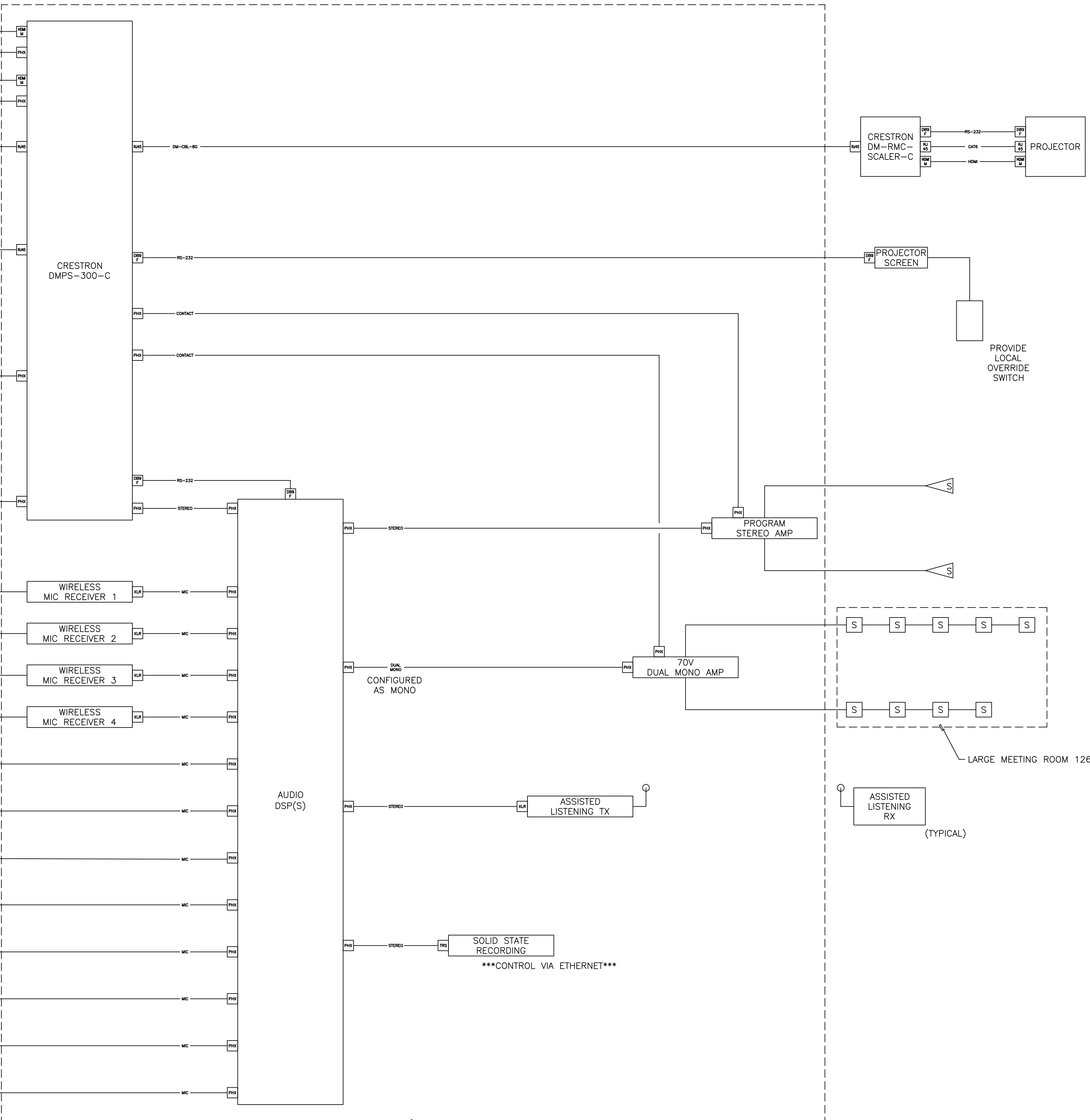
HARDWIRED  
MIC FLOOR  
BOX 1D

HARDWIRED  
MIC FLOOR  
BOX 2A

HARDWIRED  
MIC FLOOR  
BOX 2B

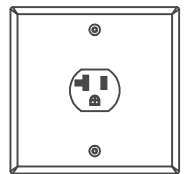
HARDWIRED  
MIC FLOOR  
BOX 2C

HARDWIRED  
MIC FLOOR  
BOX 2D



AUDIO/VIDEO/CONTROL RISER

DEDICATED  
120 VAC 30A  
L5-30R TWIST-LOCK  
(FOR REFERENCE)



NEMA  
L5-30P

DOUBLE  
CONVERSION  
ONLINE  
UPS

NEMA  
5-20P

NEMA  
5-20P

NEMA  
5-20P

NEMA  
5-15P

NEMA  
5-15P

NEMA  
5-15P

NEMA  
5-15P

NEMA  
5-15P

NEMA  
5-15P

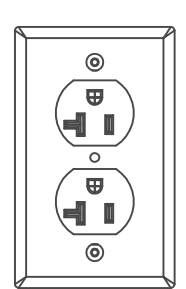
NEMA  
5-15P

NEMA  
5-15P

NEMA  
5-15P

NEMA  
5-15P

120 VAC 20A 5-20R  
(FOR REFERENCE)



NEMA  
5-15P

NEMA  
5-15P

CRESTRON  
DM-RMC-SCALER-C

PROJECTOR

POWER RISER

LARGE MEETING ROOM 126  
AUDIO / VIDEO - RISERS

NO SCALE

NOTE:  
CONTRACTOR SHALL CHECK &  
VERIFY ALL DIMENSIONS &  
EXISTING CONDITIONS AT SITE.

Sheet Title:  
LARGE MEETING ROOM  
128 - RISERS - AUDIO /  
VIDEO

Sheet Number:

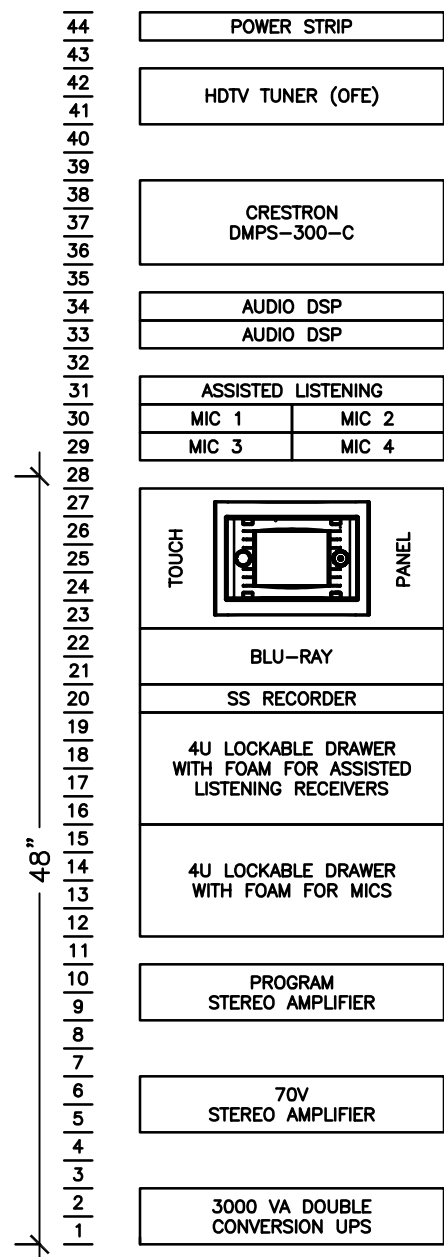
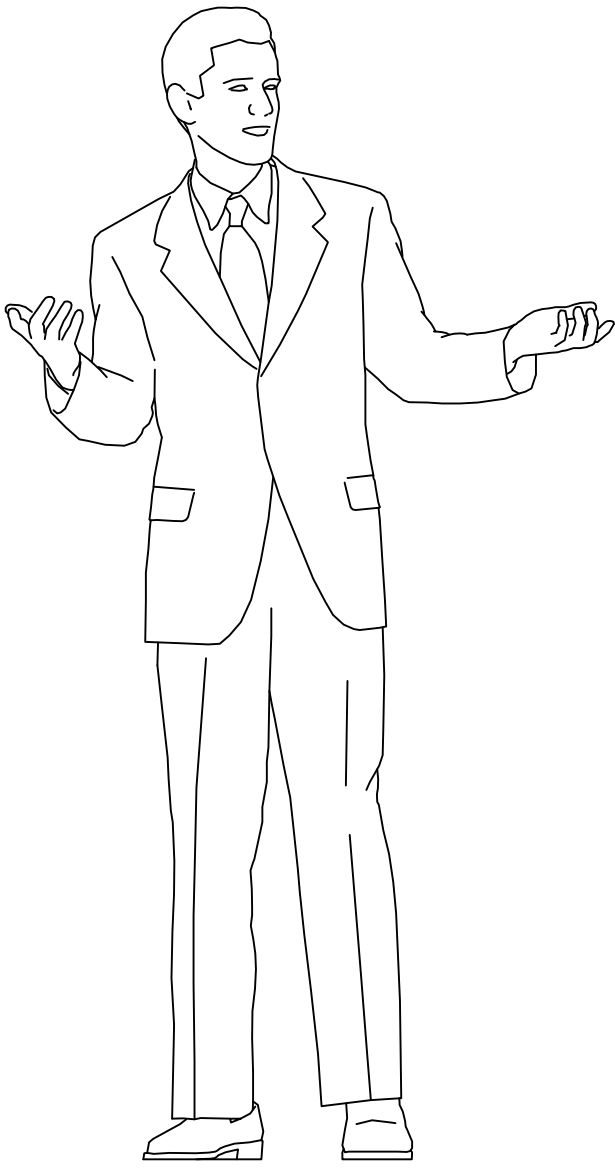
AV-2

Issue Date: 05/01/2012  
Project Manager: PMW  
Drafter: NPD

COORDINATION WITH ON-SITE ELECTRICAL CONTRACTOR

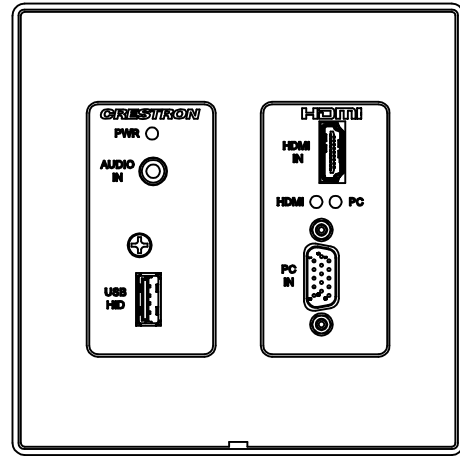
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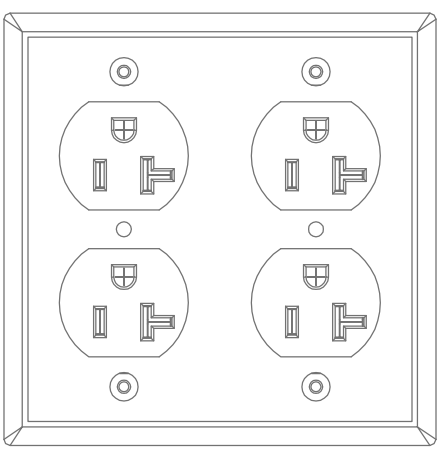


- NOTE:
- ALL EMPTY SPACES SHALL BE COVERED WITH BLANK PANELS PER SPECIFICATIONS.
  - ALL USER ACCESSIBLE EQUIPMENT (TOUCH PANEL, BLU-RAY PLAYER, SS RECORDER, DRAWERS, SHALL BE LOCATED BELOW 48" AFF.
  - ETHERNET SWITCH SHALL BE MOUNTED TO THE REAR RAILS

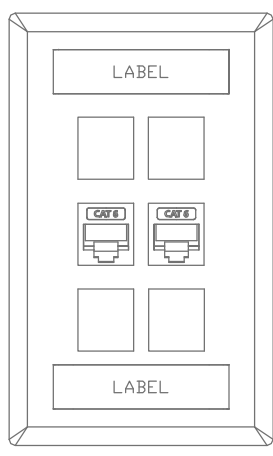
LARGE MEETING ROOM 126  
RACK ELEVATION – AUDIO / VIDEO  
NO SCALE



LAPTOP INPUT PLATE:  
CRESTRON #DM-TX-200-C-2G  
  
HD15 VGA  
1/8" STEREO  
HDMI  
USB  
  
\*\*\*PROVIDE 2-GANG DECORA PLATE TO MATCH DEVICES IN SPACE\*\*\*

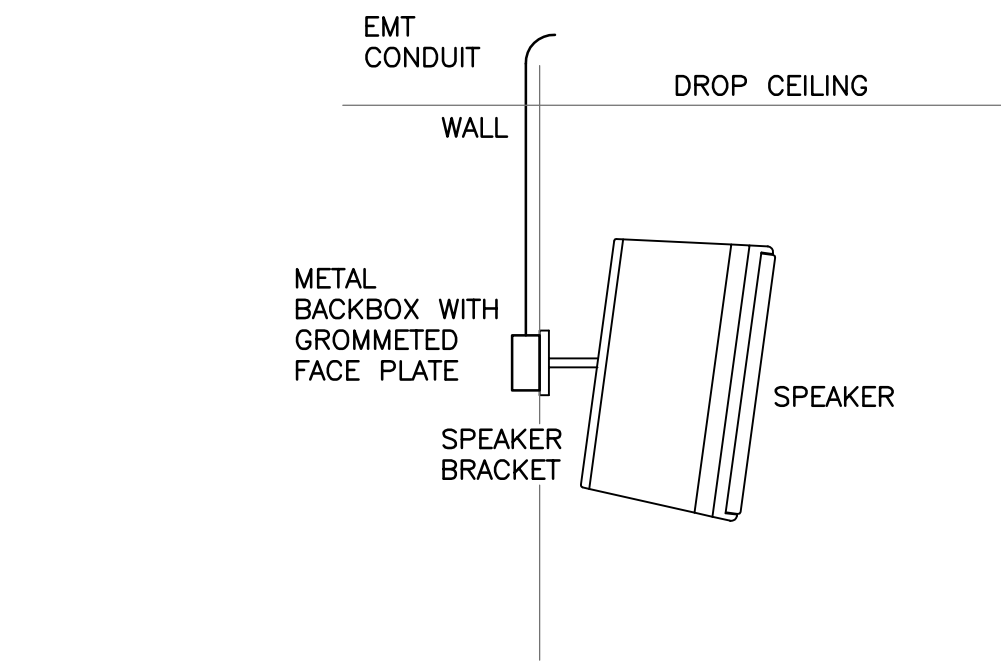
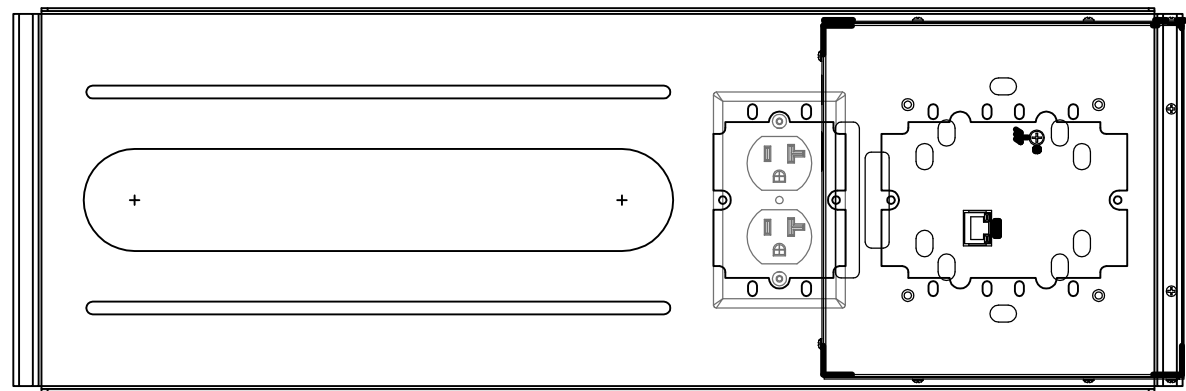


120 VAC (FOR REFERENCE ONLY)

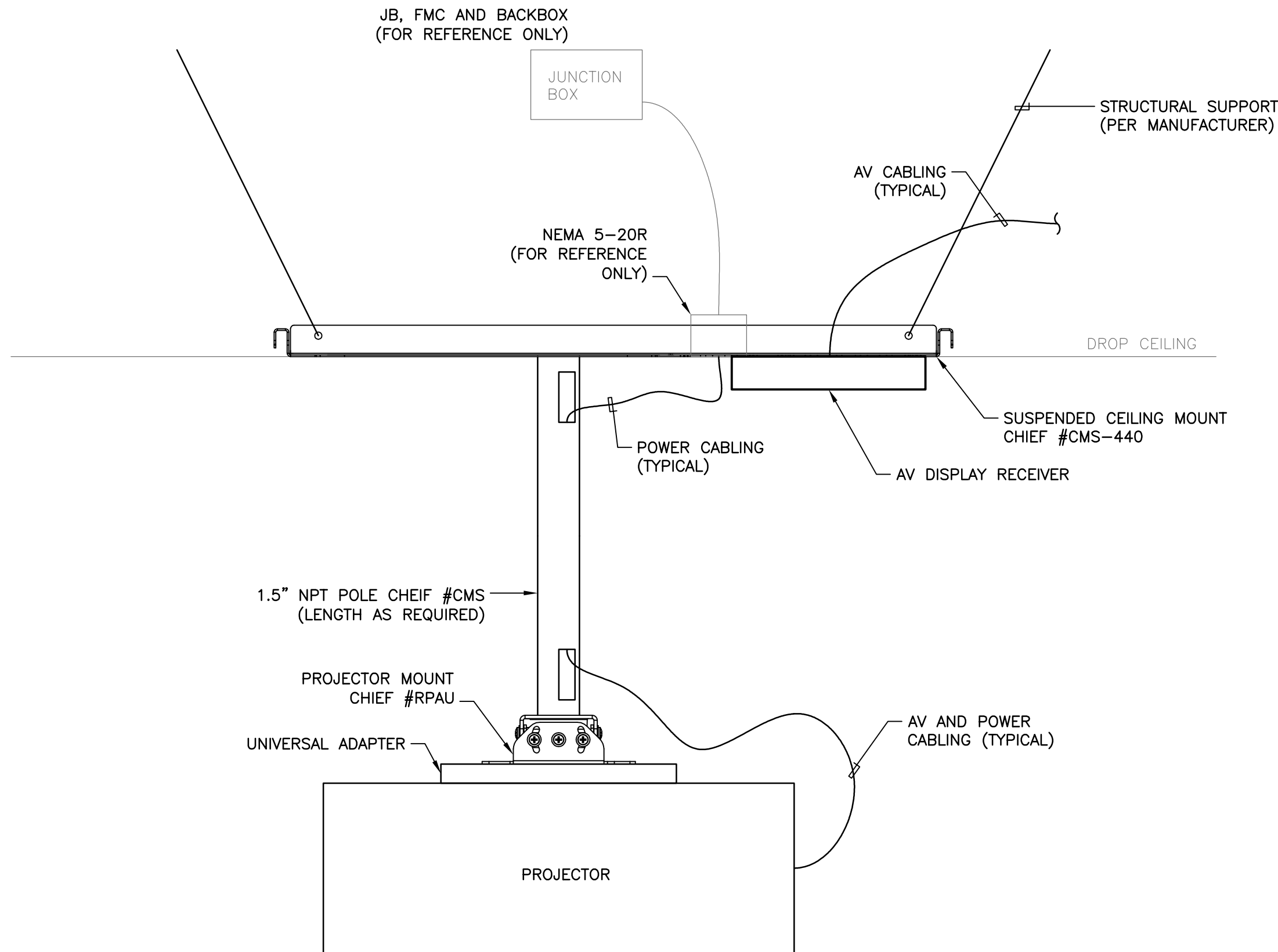


TELECOMMUNICATIONS ADAPTER PLATE WITH THE FOLLOWING DEVICES:  
  
(1) CAT6 RJ45 FOR DATA  
(1) CAT6 RJ45 FOR VOICE  
  
(FOR REFERENCE ONLY)

AV LOW 'A' OUTLET DETAIL  
NO SCALE



SURFACE MOUNT SPEAKER – DETAIL  
NO SCALE



PROJECTOR CEILING MOUNT – DETAIL  
NO SCALE

NOTE:  
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Branch

Loudoun County, Virginia

Sheet Title:  
LARGE MEETING ROOM  
128 - DETAILS - AUDIO /  
VIDEO

Sheet Number:

AV-3

Issue Date: 05/01/2012  
Project Manager: PMW  
Drafter: NPD

**COORDINATION WITH ON-SITE  
ELECTRICAL CONTRACTOR**

CONDUIT, PATHWAYS, AND BACKBOXES ARE PROVIDED BY THE ON-SITE ELECTRICAL CONTRACTOR.

BEFORE ROUGH-IN THE AV CONTRACTOR SHALL MEET WITH THE ON-SITE ELECTRICAL CONTRACTOR TO REVIEW, FIELD VERIFY AND ADJUST AS REQUIRED ALL CONDUIT, PATHWAYS, AND BACKBOXES. AV CONTRACTOR SHALL SUBMIT LETTER OF COMPLETION AS A SHOP DRAWING TO THE ENGINEER.

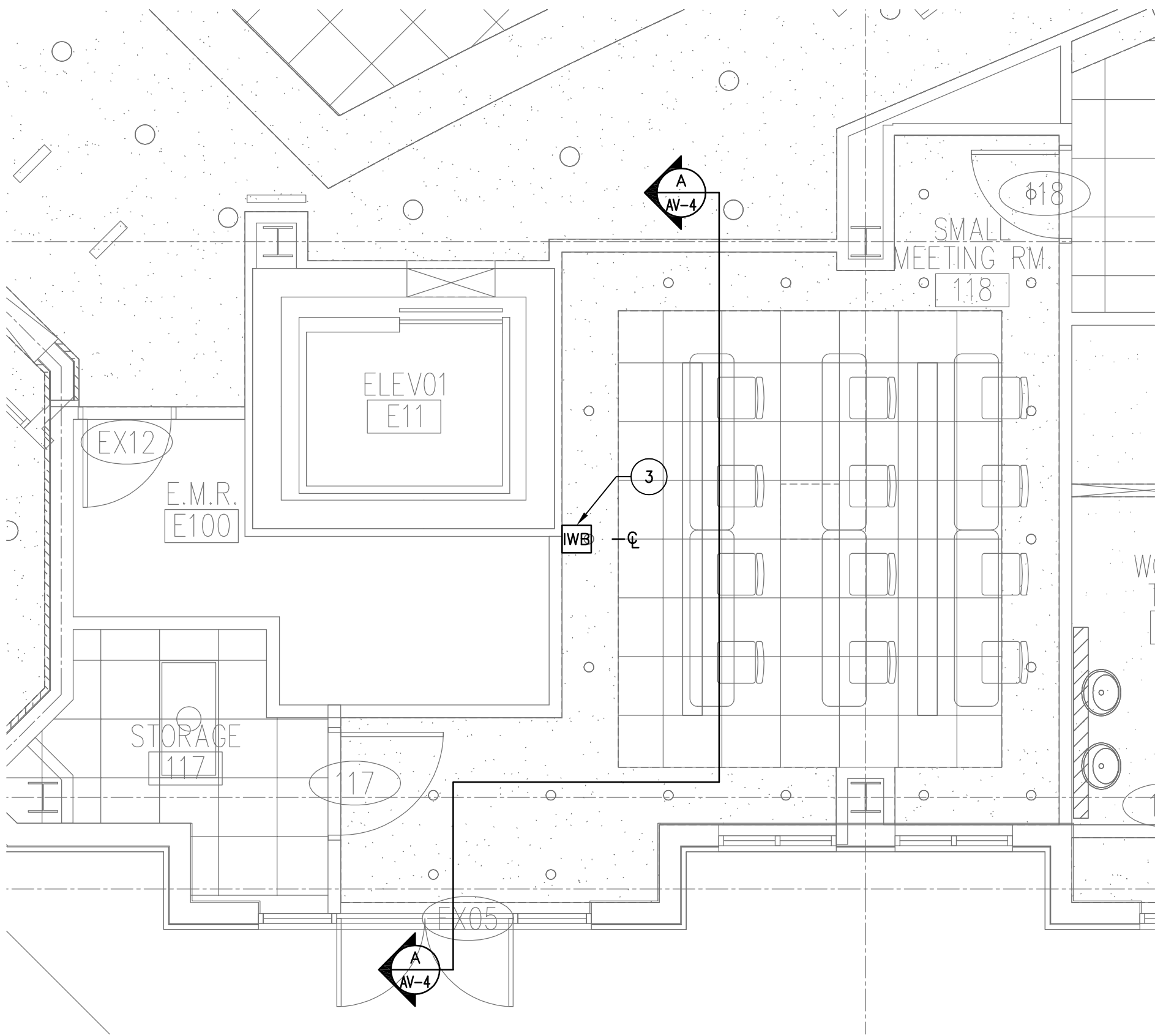
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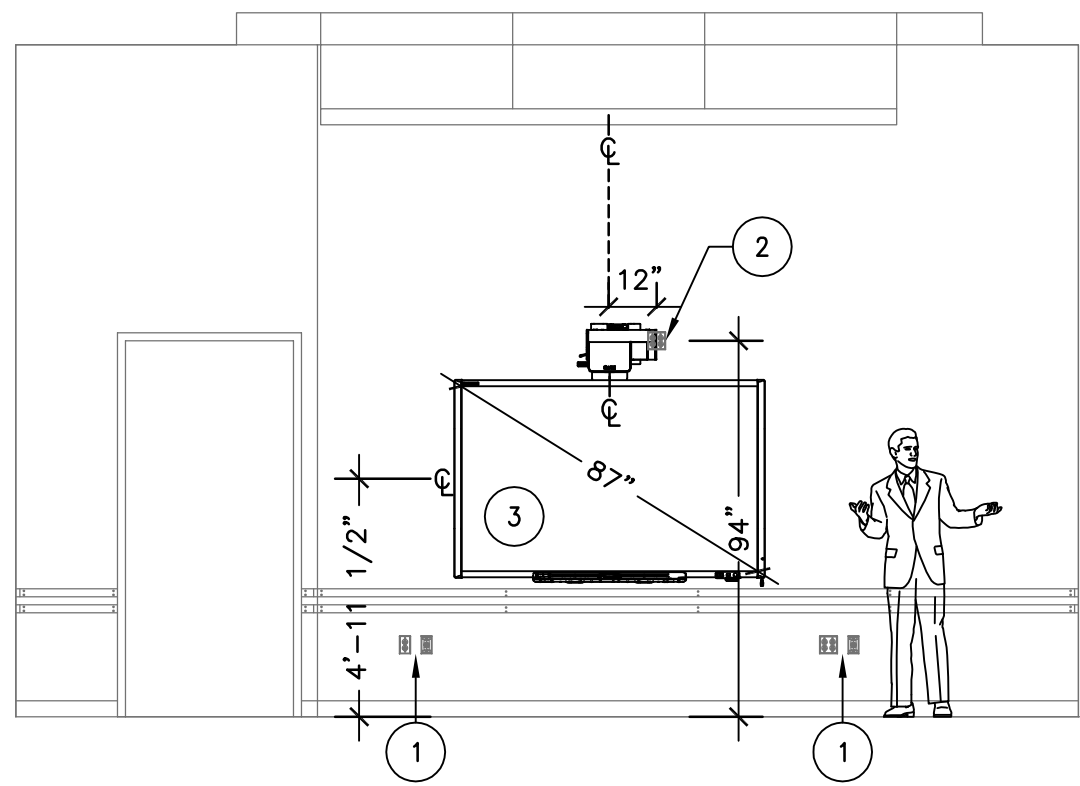
**SMALL MEETING ROOM 118  
ENLARGED PLAN - AV**  
SCALE: 1/4" = 1'-0"

**GENERAL NOTES:**

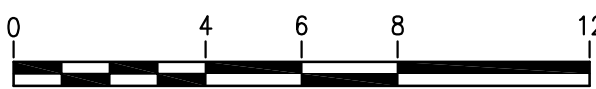
1. ALL CABLES SHALL BE PLENUM RATED OR RUN IN EMT CONDUIT.

**KEYED NOTES:**

- 1 RECEPTACLE AND TELECOMMUNICATIONS OUTLETS. FOR REFERENCE ONLY.
- 2 120 VAC QUAD. FOR REFERENCE ONLY
- 3 PROVIDE WALL MOUNTED INTERACTIVE WHITE BOARD PER THE SPECIFICATIONS. INSTALL PER MANUFACTURERS SPECIFICATIONS.



**SMALL MEETING ROOM 118  
ELEVATION - AV**  
SCALE: 1/4" = 1'-0"



NOTE:  
CONTRACTOR SHALL CHECK &  
VERIFY ALL DIMENSIONS &  
EXISTING CONDITIONS AT SITE.

Sheet Title:  
**SMALL MEETING ROOM  
118 - PLANS AND  
DETAILS - AUDIO /  
VIDEO**

Sheet Number:  
**AV-4**

Issue Date: 05/01/2012  
Project Manager: PMW  
Drafter: NPD

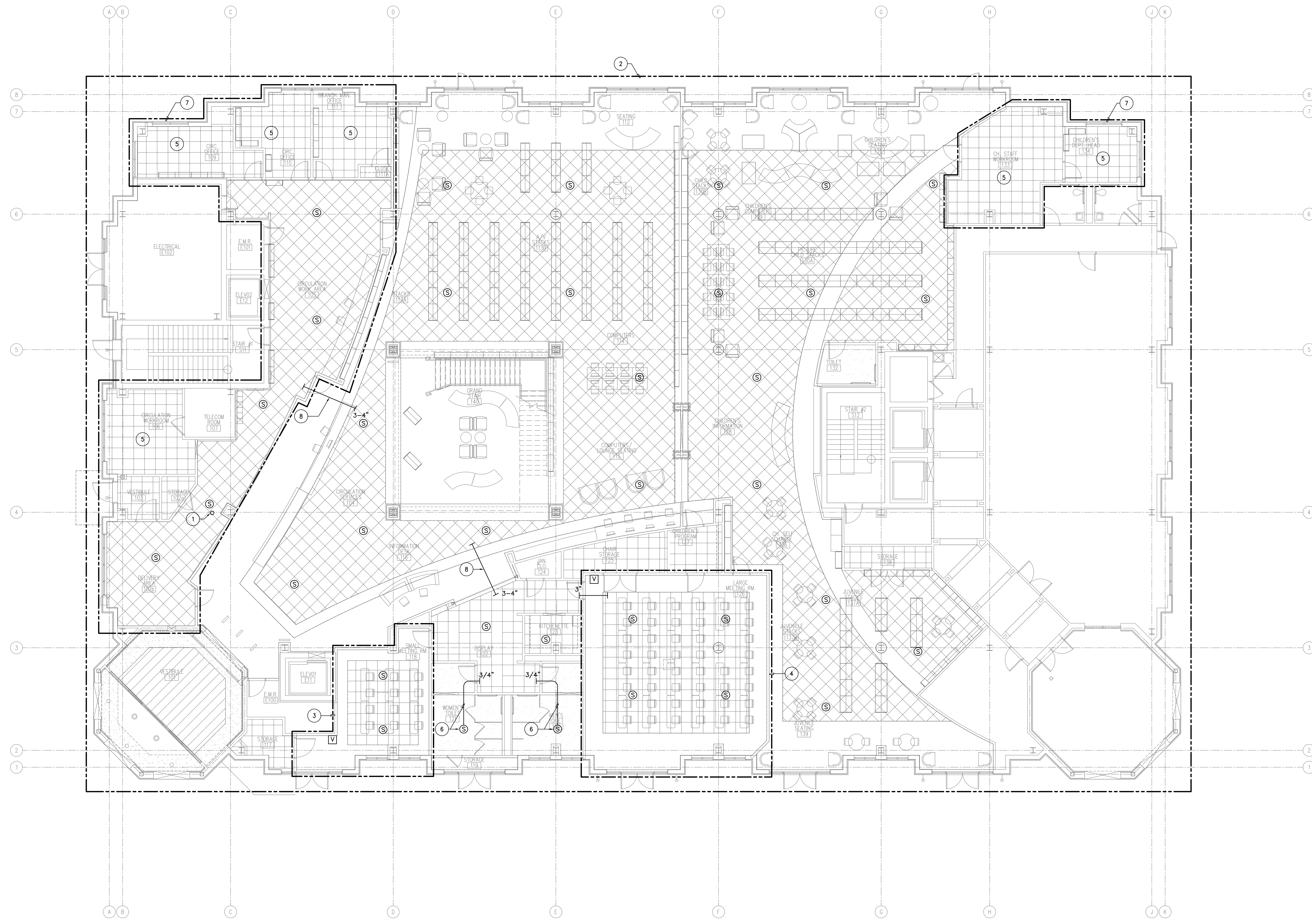


**GENERAL NOTES:**

1. SEE DETAIL DRAWINGS AND RISER DIAGRAM FOR ADDITIONAL AV AND PA REQUIREMENTS AND INFORMATION.
2. UNLESS OTHERWISE NOTED, CONDUIT RUNS, WALL SLEEVES, FLOOR BOXES, POKE-THRU'S, BACK BOXES AND SERVICING CONDUITS SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR. THIS CONTRACTOR SHALL PROVIDE DEVICE PLATES, DEVICES AND ASSOCIATED CABLING. SEE ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION. PROVIDE COORDINATION.
3. ALL PA SPEAKERS SHALL BE SERVICED BY THE PA HEAD END SYSTEM LOCATED IN THE MDF.

**KEYED NOTES:**

- 1 3-4" CONDUIT FLOOR SLEEVES UP AT DECK - TERMINATING AT FINISHED FLOOR OF MDF ON THE FLOOR ABOVE. SEE DWG. AV-6 FOR CONTINUATION.
- 2 OTHER THAN SMALL MEETING ROOM 118 ZONE, LARGE MEETING ROOM 126 ZONE, "ALL STAFF" ZONE AND "TEEN CENTER" ZONE ON THE FIRST AND SECOND FLOORS, ALL OTHER SPEAKERS IN PUBLIC AREAS SHOWN ON THIS FLOOR SHALL BE PART OF A SINGLE ZONE - TO BE INCLUDE WITH ALL PUBLIC AREA SPEAKERS ON THE SECOND FLOOR.
- 3 SMALL MEETING ROOM 118 SHALL BE ON A SINGLE ZONE.
- 4 LARGE MEETING ROOM 126 SHALL BE ON A SINGLE ZONE.
- 5 STAFF OFFICE/ROOM SHALL NOT HAVE A PA SPEAKER. PAGING COMMUNICATIONS SHALL BE VIA PHONE SYSTEM - PHONE SYSTEM N.I.C.
- 6 SPEAKER SHALL BE MOUNTED FLUSH IN HARD CEILING. PROVIDE 3/4" EMT CONDUIT FROM CORRIDOR ACCESSIBLE CEILING SPACE TO SPEAKER BACK BOX SUPPORT CONDUIT PER MEANS AND METHODS.
- 7 "ALL STAFF" PAGING ZONE. AREA SHALL BE ON A SINGLE ZONE WITH ALL OTHER AREAS SHOWN AS "ALL STAFF".
- 8 CONDUITS PROVIDED UNDER THE MEP CONTRACT AND IS FOR INFORMATIONAL PURPOSES ONLY. THE AV CONTRACTOR SHALL USE ONE (1) OF THE CONDUITS SHOWN FOR PATHWAYS.



**FIRST FLOOR PLAN - PAGING**  
SCALE: 1/8" = 1'-0"

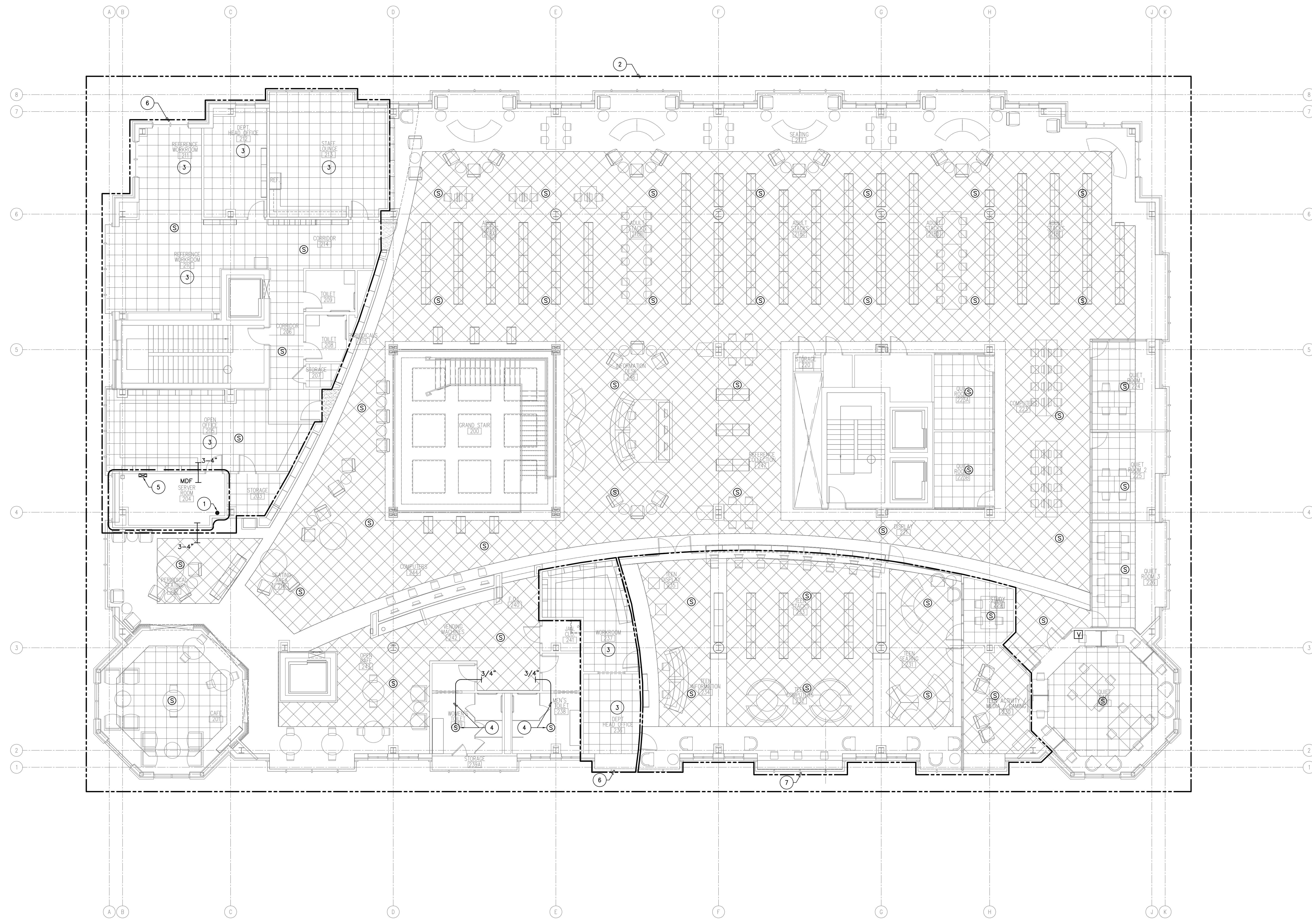
NOTE:  
CONTRACTOR SHALL CHECK &  
VERIFY ALL DIMENSIONS &  
EXISTING CONDITIONS AT SITE.

**GENERAL NOTES:**

1. SEE DETAIL DRAWINGS AND RISER DIAGRAM FOR ADDITIONAL AV AND PA REQUIREMENTS AND INFORMATION.
2. UNLESS OTHERWISE NOTED, CONDUIT RUNS, WALL SLEEVES, FLOOR BOXES, POKE-THRU'S, BACK BOXES AND SERVICING CONDUITS SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR. THIS CONTRACTOR SHALL PROVIDE DEVICE PLATES, DEVICES AND ASSOCIATED CABLING. SEE ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION. PROVIDE COORDINATION.
3. ALL PA SPEAKERS SHALL BE SERVICED BY THE PA HEAD END SYSTEM LOCATED IN THE MDF.

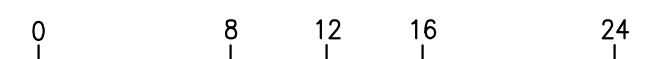
**KEYED NOTES:**

- 1 3-4" CONDUIT FLOOR SLEEVES FROM FINISHED FLOOR - TERMINATING AT CEILING SPACE ON THE FLOOR ABOVE. SEE DWG. AV-5 FOR CONTINUATION.
- 2 OTHER THAN SMALL MEETING ROOM 118 ZONE, LARGE MEETING ROOM 126 ZONE, "ALL STAFF" ZONE AND "TEEN CENTER" ZONE ON THE FIRST AND SECOND FLOORS, ALL OTHER SPEAKERS IN PUBLIC AREAS SHOWN ON THIS FLOOR SHALL BE PART OF A SINGLE ZONE - TO BE INCLUDE WITH ALL PUBLIC AREA SPEAKERS ON THE FIRST FLOOR.
- 3 STAFF OFFICE/ROOM SHALL NOT HAVE A PA SPEAKER. PAGING COMMUNICATIONS SHALL BE VIA PHONE SYSTEM - PHONE SYSTEM N.I.C.
- 4 SPEAKER SHALL BE MOUNTED FLUSH IN HARD CEILING. PROVIDE 3/4" EMT CONDUIT FROM CORRIDOR ACCESSIBLE CEILING SPACE TO SPEAKER BACK BOX. SUPPORT CONDUIT PER MEANS AND METHODS.
- 5 LOCATION OF PA SYSTEM HEAD END. MOUNT TO PLYWOOD PROVIDED UNDER THE BUILDING WORK. COORDINATE WORK WITH ALL TRADES. SEE RISER DIAGRAM AND DETAIL DRAWINGS FOR ADDITIONAL REQUIREMENTS AND INFORMATION.
- 6 "ALL STAFF" PAGING ZONE. AREA SHALL BE ON A SINGLE ZONE WITH ALL OTHER AREAS SHOWN AS "ALL STAFF".
- 7 "TEEN CENTER" PAGING ZONE. AREA SHALL BE ON A SINGLE ZONE.



**FIRST FLOOR PLAN - PAGING**

SCALE: 1/8" = 1'-0"



NOTE:  
CONTRACTOR SHALL CHECK &  
VERIFY ALL DIMENSIONS &  
EXISTING CONDITIONS AT SITE.

Sheet Title:  
**SECOND FLOOR PLAN - PAGING**

Sheet Number:

**AV-6**

Issue Date: 05/01/2012  
Project Manager: PMW  
Draftsman: KWW

**GENERAL NOTES:**

1. SEE FLOOR PLANS FOR SPEAKER LOCATIONS AND ZONING.
2. ALL PA SPEAKERS SHALL BE SERVICED BY THE PA HEAD END SYSTEM LOCATED IN THE MDF.

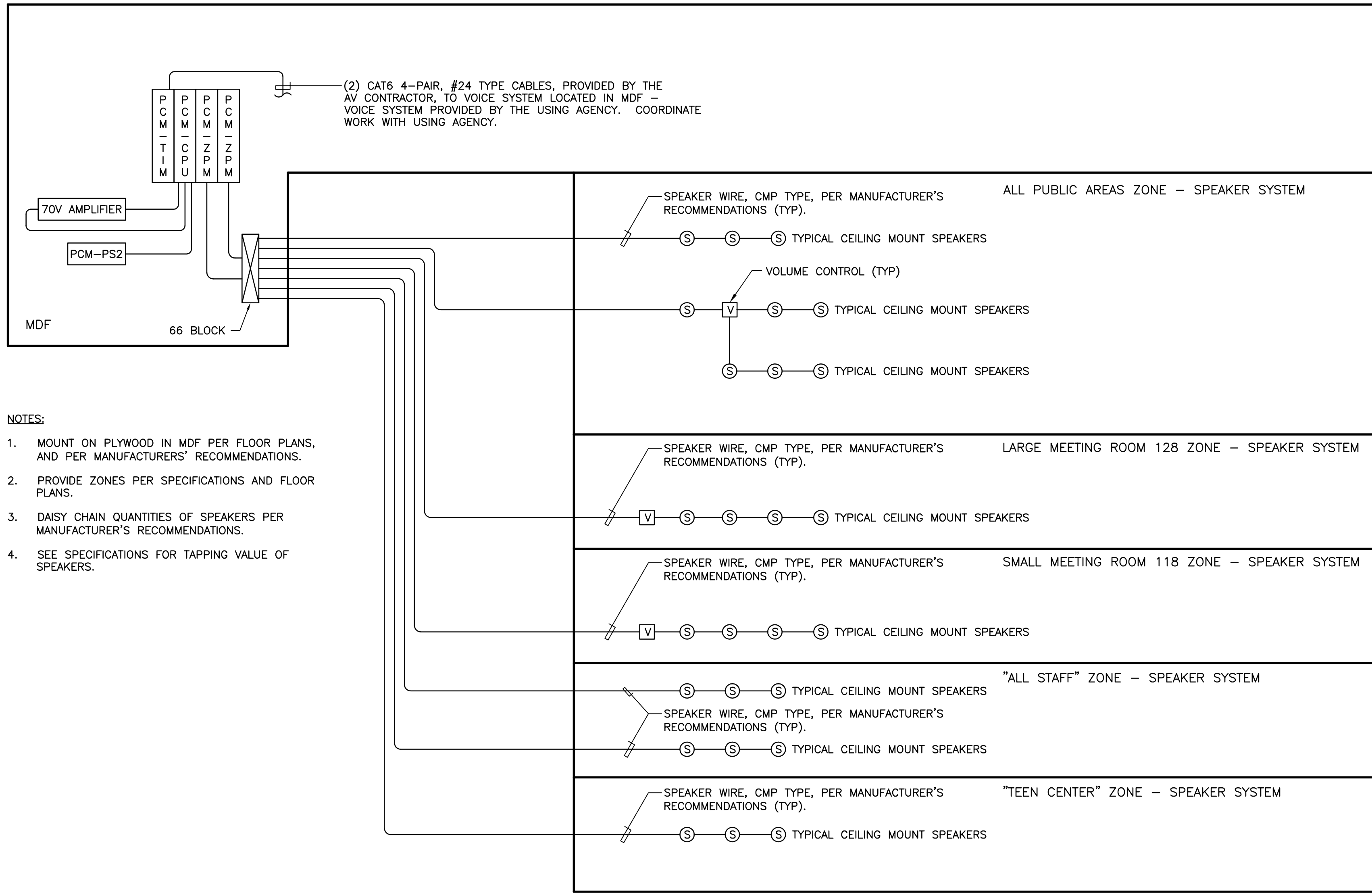
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**NOTES:**

1. MOUNT ON PLYWOOD IN MDF PER FLOOR PLANS, AND PER MANUFACTURERS' RECOMMENDATIONS.
2. PROVIDE ZONES PER SPECIFICATIONS AND FLOOR PLANS.
3. DAISY CHAIN QUANTITIES OF SPEAKERS PER MANUFACTURER'S RECOMMENDATIONS.
4. SEE SPECIFICATIONS FOR TAPPING VALUE OF SPEAKERS.

**MASTER PA RISER DIAGRAM**

**NO SCALE**

0 8 12 16 24

NOTE:  
CONTRACTOR SHALL CHECK &  
VERIFY ALL DIMENSIONS &  
EXISTING CONDITIONS AT SITE.

Sheet Title:

**PA RISER DIAGRAM &  
DETAILS - PAGING**

Sheet Number:

**AV-7**

Issue Date: 05/01/2012  
Project Manager: PMW  
Drafter: KWW